

ABSTRACT OF SANITARY REPORTS.

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UNITED STATES.

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS.

CAPE CHARLES QUARANTINE.

Week ended October 16, 1891.

Name of vessel.	Date of arrival.	Where from.	Destina- tion.	Treatment of vessel and cargo.	Date of depar- ture.
British S. S. Britwalda.....	Oct. 10	Bordeaux ...	Hampton Roads.	Inspected and passed.	Oct. 10
British S. S. Epworth	Oct. 12	Cardiff	Newport News.	.....do.....	Oct. 12
British S. S. Earnsford.....	Oct. 14	Santiago de Cuba.	Newport News for coal.	Inspected and passed for coal- ing only.	Limited prati- que.
British S. S. Dunedin.....	Oct. 15	Cienfuegos..	New York; Newport News for coal.	Inspected and passed.	Oct. 15
Norweg. barkentine	Oct. 16	Rio Grande do Sul.	Richmond, Va.	.....do.....	Oct. 16

Nineteen vessels spoken.

DELAWARE BREAKWATER QUARANTINE.

Week ended October 11, 1891.

British S. S. Gardenia.....	Oct. 5	Cardiff	New York...	Inspected and passed.	Oct. 5
British S. S. Melbridge	Oct. 5	Shields.....	Waiting or- ders.	.....do.....	Oct. 5
German ship J. D. Blachoff. ...	Oct. 6	St. Nazaire..	.....do.....	.....do.....	Oct. 6
British S. S. Ardangorm.....	Oct. 6	Matanzas ...	.....do.....	.....do.....	Oct. 6
British S. S. Blakemoor.....	Oct. 6	Havana	Philadel- phia.	.....do.....	Oct. 6
British bark Unanima	Oct. 7	Barbados....	Waiting or- ders.	.....do.....	Oct. 7
British schooner Julian.....	Oct. 9	Gonaives....	Boston.....	.....do.....	Oct. 9
British bark S. J. Bogert (a) ..	Sept. 27	Rio de Ja- neiro.	Waiting or- ders.	Disinfected.....	Oct. 4

a Previously reported.

SOUTH ATLANTIC QUARANTINE.

Week ended October 10, 1891.

Norwegian bark Madura.....	Oct. 2	Rio de Ja- neiro.	Savannah...	Unballasted and disinfected.	Oct. 10
Spanish S. S. Martin Saenz..	Oct. 3	Calbarien....	.....do.....	Disinfected.....	Oct. 10

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS—*Continued.*

GULF QUARANTINE.

Week ended October 15, 1891.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Italian bark Rosa (a).....	Sept. 30	Santos via Barbados and Pensacola Bar.	Pensacola...	Held for disinfection.	
American schr. Philadelphia...	Oct. 5	Wrecked on Chandeleur Island.	Biloxi	Disinfected.....	Oct. 10
British bark Bertie Bigelow (b)	Oct. 10	Rio de Janeiro.	Horn Isl'd.	Clothing of crew disinfected.	Oct. 14

^a Previously reported.^b This vessel was wrecked September 17, 1891, on Petit Bois Island, abandoned October 10, and 13 of crew brought here by tug Mary Whittel for isolation.

SAN FRANCISCO QUARANTINE.

Week ended October 10, 1891.

S. S. Belgia.....	Oct. 4	Hongkong...	San Francisco.	Steerage fumigated..	Oct. 4
W. G. Irwin.....	Oct. 8	Honolulu	do	Boarded, examined, and passed.	
Albert	Oct. 9	do	do	do	
City of Peking.....	Oct. 10	Hongkong...	do	Steerage fumigated..	

PORT TOWNSEND QUARANTINE.

Week ended October 10, 1891.

Three vessels spoken and passed.

SAN DIEGO QUARANTINE.

Week ended October 14, 1891.

British ship Garsdale.....	Oct. 9	Swansea.....	San Diego...	Inspected and passed.	Oct. 9
British S. S. Carlos Pacheco ...	Oct. 11	Ensenada	do	do	Oct. 11
British S. S. Manuel Dublan...	Oct. 14	do	do	do	Oct. 14

Reports of States, and yearly and monthly reports of cities.

CALIFORNIA—*San Francisco.*—Month of September, 1891. Population, 298,997. Total deaths, 465, including croup, 6; diphtheria, 18; enteric fever, 7; and phthisis pulmonalis, 60.

FLORIDA.—Month of August, 1891. Reports to the State board of health from 17 counties and 62 places show a total of 217 deaths, including phthisis pulmonalis, 19; croup, 1; enteric fever, 21; measles, 2; whooping cough, 2. The State health officer says:

Some comment has been made by sanitary journalists upon the number of cases of consumption reported in this State. It is believed that if the counties would show the nativity of those dying from this disease,

with the length of their residence in Florida, it would be seen that a number of the deaths reported from consumption were not chargeable to the climate of this State. Of the 19 deaths reported this month, 7 were residents of Florida but a short time.

IOWA.—Month of August, 1891. From the *Monthly Bulletin* for September the following mortuary reports are extracted :

Burlington.—Consumption, 3; diphtheria, 1; typhoid fever, 1; whooping cough, 1. Total deaths, 42. Population, 30,166. Death rate per 1,000, 1.02. For July, 0.76.

Council Bluffs.—Consumption, 1; cholera infantum, 8; malarial fever, 1. Total deaths, 26. Population, 21,388. Death rate per 1,000, 1.03. For July, 1.05.

Davenport.—Pneumonia, 1; meningitis, 4; cholera infantum, 11. Total deaths, 38. Population, 28,500. Death rate per 1,000, 1.03. For July, 0.84.

Des Moines.—Consumption, 1; tuberculosis, 3; pneumonia, 2; diphtheria, 2; scarlet fever, 1; whooping cough, 3; cholera infantum, 6; typho-malarial fever, 1. Total deaths, 56. Population (estimated), 62,000. Death rate per 1,000, 0.65. For July, 0.06. There are 9 deaths reported as from "heart disease," 3 of which were under 20 years of age, and probably should have been returned as from diphtheria.

Dubuque.—Consumption, 6; tuberculosis, 7; diphtheria, 1; pneumonia, 1; meningitis, 3; cholera infantum, 4. Total deaths, 47. Population, 30,147. Death rate per 1,000, 1.05. For July, 1.2.

Keokuk.—Consumption, 1; pneumonia, 1; tuberculosis, 1; diphtheria, 2; typho-malarial fever, 1. Total deaths, 13. Population (estimated), 18,000. Death rate per 1,000, 0.72. For July, 1.01.

Muscatine.—Pneumonia, 1; cholera infantum, 2. Total deaths, 11. Population, 11,432. Death rate per 1,000, 0.97. For July, 1.05.

Oskaloosa.—Consumption, 2; meningitis, 1; dysentery, 1. Total deaths, 8. Population, 7,000. Death rate per 1,000, 1.14. For July, 1.37.

Ottumwa.—Consumption, 2; cholera infantum, 2; dysentery, 4. Total deaths, 19. Population (estimated), 16,000. Death rate, 1.12. For July, 0.4.

Sioux City.—Consumption, 2; diphtheria, 1; typhoid fever, 3. Total deaths, 20. Population (estimated), 40,000. Death rate per 1,000, .05.

MASSACHUSETTS—*Springfield*.—Month of September, 1891. Population, 44,164. Total deaths, 65, including diphtheria, 2; croup, 1; enteric fever, 3; and phthisis pulmonalis, 2.

Brockton.—Month of September, 1891. Population, 27,278. Total deaths, 33, including diphtheria and croup, 2; scarlet fever, 1; enteric fever, 1; and phthisis pulmonalis, 2.

Worcester.—Month of September, 1891. Population, 84,655. Total deaths, 127, including measles, 1; diphtheria, 3; croup, 1; enteric fever, 2; scarlet fever, 1; and phthisis pulmonalis, 13.

MICHIGAN.—Week ended October 10, 1891. Reports to the State board of health, Lansing, from 68 observers, indicate that cerebro-spinal meningitis, scarlet fever, and pneumonia increased, and that inflammation of brain, typhoid fever, pleuritis, cholera infantum, and membranous croup decreased in area of prevalence.

Diphtheria was reported at 35 places; scarlet fever at 32 places; enteric fever at 48 places; measles at 5 places; and smallpox, one case at St. Joseph.

Detroit.—Month of September, 1891. Population, 220,000. Total deaths, 353, including croup, 7; diphtheria, 20; enteric fever, 14; typhus fever, 4; measles, 2; whooping cough, 1; scarlet fever, 5; and phthisis pulmonalis, 24.

NORTH CAROLINA.—Month of August, 1891. Reports to the State board of health from 19 cities and towns show a total of 142 deaths, including enteric fever, 7; diphtheria, 3; measles, 1; whooping cough, 3; and phthisis pulmonalis, 16.

OHIO.—Month of August, 1891. Reports to the State board of health, Columbus, from 70 cities and towns, having an aggregate population of 1,234,252, show a total of 1,843 deaths, including croup and diphtheria, 49; scarlet fever, 15; enteric fever, 75; whooping cough, 17; and phthisis pulmonalis, 168.

PENNSYLVANIA—*Williamsport*.—Month of September, 1891. Population, 27,109. Total deaths, 22, including scarlet fever 1.

TENNESSEE—*Chattanooga*.—Month of September, 1891. Population, 30,000. Total deaths, 52, including croup, 3; diphtheria, 1; and phthisis pulmonalis, 11.

TEXAS—*San Antonio*.—Month of September, 1891. Population, 38,640. Total deaths, 60, including enteric fever, 2; measles, 1; and phthisis pulmonalis, 7.

Table of temperature and rainfall, week ended October 16, 1891

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
New England States:						
Eastport, Me.	47		5	1.05		.07
Portland, Me.	51		12	.91	.27	.31
Boston, Mass.	55		15	.98	.87	.63
Block Island, R. I.	57		29	1.00	.58	
Middle Atlantic States:						
Albany, N. Y.	55		23	.77		.67
New York, N. Y.	59		29	.77		.31
Philadelphia, Pa.	58		29	.63		.63
Atlantic City, N. J.	57		22	.70	.82	
Baltimore, Md.	59		44	.69		.50
Washington, D. C.	58		42	.77		.56
Lynchburg, Va.	59		51	.77		.62
Norfolk, Va.	63		42	.91	2.25	
South Atlantic States:						
Charlotte, N. C.	62		59	.87		.55
Wilmington, N. C.	66		53	.95	.43	
Charleston, S. C.	69		67	1.00		.26
Augusta, Ga.	67		73	.54		.01
Savannah, Ga.	69		72	.87	.35	
Jacksonville, Fla.	72		73	1.38	.05	
Key West, Fla.	79		17	1.25	1.13	
Gulf States:						
Atlanta, Ga.	63		38	.56		.56
Pensacola, Fla.	71		38	.84		.84
Mobile, Ala.	70		55	.70		.70
Montgomery, Ala.	68		37	.56		.56
Vicksburg, Miss.	68		44	.58		.55
New Orleans, La.	72		39	.70		.70
Shreveport, La.	68		47	.67		.60
Fort Smith, Ark.	64		31	.77		.55
Little Rock, Ark.	65		37	.45		.31
Palestine, Tex.	68		43	.84		.84
Galveston, Tex.	70		34	1.12		1.00
San Antonio, Tex.	74		23	.42		.42
Corpus Christi, Tex.	74		38	.73		.73
Brownsville, Tex.	76			1.21		
Rio Grande City, Tex.	77			.56		
Ohio Valley and Tennessee:						
Memphis, Tenn.	64		32	.59		.55
Nashville, Tenn.	62		36	.56		.56
Chattanooga, Tenn.	62		30	.70		.70
Knoxville, Tenn.	61		33	.70		.70
Louisville, Ky.	60		28	.63		.61
Indianapolis, Ind.	55		29	.70		.56
Cincinnati, Ohio.	58		46	.58		.56
Columbus, Ohio.	55		38	.63		.57
Pittsburg, Pa.	56		43	.56		.50
Lake Region:						
Oswego, N. Y.	50		24	.77		.52
Rochester, N. Y.	50		21	.70		.58
Buffalo, N. Y.	51		29	.88		.49
Erie, Pa.	53		39	.98		.62
Cleveland, Ohio.	54		34	.70		.33
Sandusky, Ohio.	54		33	.65		.48
Toledo, Ohio.	53		33	.56		.44
Detroit, Mich.	53		31	.56		.33
Port Huron, Mich.	50		26	.70		.50
Alpena, Mich.	46	0	0	.98		.68
Marquette, Mich.	46		13	.76		.58
Grand Haven, Mich.	50		8	.84		.20
Milwaukee, Wis.	52		30	.56		.44
Chicago, Ill.	54		28	.83		.77
Duluth, Minn.	46		11	.66		.24
Upper Mississippi Valley:						
St. Paul, Minn.	49		15	.43	.01	
La Crosse, Wis.	51		14	.52		.42
Dubuque, Iowa.	52		24	.73		.60
Davenport, Iowa.	53		28	.70		.60
Des Moines, Iowa.	53		54	.91		.69
Keokuk, Iowa.	55		31	.76		.57
Springfield, Ill.	56		31	.77		.57
Cairo, Ill.	61		31	.64		.50
St. Louis, Mo.	59		24	.57		.41

Table of temperature and rainfall, week ended October 16, 1891—Continued.

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Missouri Valley:						
Springfield, Mo.....	60		32	.77		.40
Kansas City, Mo.....	58		34	.85		.51
Concordia, Kans.....	56		4	.35	.03	
Omaha, Nebr.....	54		11	.63		.33
Valentine, Nebr.....	50	3		.31		.10
Huron, S. Dak.....	48		6	.29	.21	
Pierre, S. Dak.....	51		26	.14	.24	
Extreme Northwest:						
Moorhead, Minn.....	44		1	.56	.30	
Bismarck, N. Dak.....	45		8	.28	.05	
Buford, Fort, N. Dak.....	45		38	.27		.17
Rocky Mountain Slope:						
Assiniboine, Fort, Mont.....	45		3	.09	.13	
Helena, Mont.....	46		27	.21	1.64	
Salt Lake City, Utah.....	52		7	.42		.42
Cheyenne, Wyo.....	47		3	.21		.21
North Platte, Nebr.....	51	2		.28		.22
Denver, Colo.....	52	8		.17		.16
Montrose, Colo.....	51		15	.21		.21
Pueblo, Colo.....	57		8	.07	.13	
Dodge City, Kans.....	57		13	.29		.01
Sill, Fort, Ind. T.....	63			.86		
Santa Fé, N. Mex.....	51		35	.22		.22
Pacific Coast:						
Olympia, Wash.....	52		2	1.00		.26
Portland, Oreg.....	55	6		.91	.38	
Roseburg, Oreg.....	56	1		.60	.36	
Red Bluff, Cal.....	64	13		.34		.32
Sacramento, Cal.....	63	9		.25		.25
San Francisco, Cal.....	60		9	.32		.32
Los Angeles, Cal.....	65		4	.21		.21
San Diego, Cal.....	64		1	.08		.04
Yuma, Ariz.....	73	36		.07		.07

FOREIGN.

(Reports received through the Department of State and other channels.)

Sanitary commission at Constantinople—Report of United States commissioner—Cholera declining in Asiatic Turkey.

REPORT NO. 31.—Cholera news is better. It has completely disappeared from the Hedjaz, and all the pilgrims have already quitted the Holy Land for their country.

At Aleppo the epidemic also declines. Only a very few deaths are registered every day, and it is to be hoped that in a very few weeks it will disappear.

I must notice that nothing has been done to improve the imperfect sanitary condition of the provinces. It is true that disinfecting furnaces have been bought for the different lazarettos, but from what is seen, they try only to make improvements to the lazarettos. Meanwhile the germs of the epidemic exist, and very probably next year or a little later we will have another outbreak.

Since the outbreak of the epidemic 1,514 deaths have been registered in the vilayet of Aleppo and 3,163 in the Holy Land.

Now that cholera does not exist any more in this latter province quarantines have been abolished. I do not doubt that in a few weeks they will be abolished also for the province of Aleppo.

The sanitary condition of Constantinople is rather good. The epidemic of typhoid fever has nearly disappeared.

SPIRIDION C. ZAVITZIANO.

CONSTANTINOPLE, September 22, 1891.

SYRIA—*Cholera*.—The United States consul at Beirut, Syria, reports, under date of September 23, 1891, 9 deaths from cholera at Aleppo during the week ended on that date. 14 at Aintab, 3 at Ayell, 1 at Darontesh, 1 at Jisser, 14 at Karanieh, and 3 at Magharat and Chikmaz. Total, 45. The number of cases could not be ascertained.

For the week ended September 30 there were 5 deaths from cholera at Aleppo, 1 at Bab, 1 at Jisser, 2 at Tedif, 9 at Mitrar, and 59 at Yonbaka.

The United States consular agent at Aleppo reports, under date of September 15, 1891, that the Italian bark *Guiseppe Castagliola*, Captain Michele Ambrosano, loaded from Alexandretta, Syria, on the 7th of September, 3,922 bales of liquorice root, destined for New York.

The quarantine officer at the port of New York was immediately informed to this effect, Alexandretta being considered a cholera-infected port.

CANADA—*Province of Quebec—Smallpox*.—Dr. Elzear Pelletier, secretary provincial board of health, reports a case of smallpox at Quebec City on the 6th instant; 17 cases at St. Paul, 1 new case at Carleton and

some at Malinder, on the 10th instant; and a new case at Quebec City, 5 cases in Pabos, Gaspe County, and 4 in Ascot, Sherbrooke County, on the 14th instant.

CHINA—*Hongkong*.—Month of July, 1891. Total deaths, 590, including enteric fever 1.

CUBA—*Havana*.—Week ended October 8, 1891. There were 113 deaths, 10 of which were from yellow fever, with approximately 40 new cases. Two were caused by enteric fever, 1 by bilious fever, 2 by so-called pernicious fever, 3 by paludal fevers, and 1 by smallpox. Weather very warm and rainy, and apparently causing some increase of yellow fever.

FRANCE—*Marseilles*.—Month of September, 1871. Population, 406,919. Total deaths, 800, including smallpox, 10; enteric fever, 41; scarlet fever, 2; diphtheria and croup, 40; measles, 7; and whooping cough, 2.

Under date of October 7, the consul writes: "The city during the past month has been unusually healthy, the number of deaths (800) being below the normal figure; but smallpox and diphtheria will take a big jump this month, and reestablish the average."

GREAT BRITAIN—*England and Wales*.—The deaths registered in 28 great towns of England and Wales during the week ended October 3 corresponded to an annual rate of 18.4 a thousand of the aggregate population, which is estimated at 9,405,108. The lowest rate was recorded in Bristol and Portsmouth, viz, 12.4, and the highest in Preston, viz, 32.4 a thousand.

London.—One thousand two hundred and seventy-two deaths were registered during the week, including measles, 15; scarlet fever, 13; diphtheria, 32; whooping cough, 24; enteric fever, 16; and diarrhoea and dysentery, 67. The deaths from all causes corresponded to an annual rate of 15.7 a thousand. Diseases of the respiratory organs caused 171 deaths. In greater London 1,617 deaths were registered, corresponding to an annual rate of 14.9 a thousand of the population. In the "outer ring" the deaths included whooping cough 14 and diphtheria 4.

Ireland.—The average annual death rate represented by the deaths registered during the week ended October 3, in the 16 principal town districts of Ireland, was 23.3 a thousand of the population. The lowest rate was recorded in Londonderry, viz, 4.8, and the highest in Waterford, viz, 38.4 a thousand. In Dublin and suburbs 177 deaths were registered, including enteric fever 5 and whooping cough 4.

Scotland.—The deaths registered in 8 principal towns during the week ended October 3 corresponded to an annual rate of 17.5 a thousand of the population, which is estimated at 1,338,314. The lowest mortality was recorded in Paisley, viz, 12.5, and the highest in Perth, viz, 20.3 a thousand. The aggregate number of deaths registered from all causes was 450, including measles, 8; scarlet fever, 11; diphtheria, 5; whooping cough, 6; fever, 6; and diarrhœa, 35.

Cholera in Syria.

[Translated in this Bureau from the *Kaiserlichen Gesundheitsamtes*, Berlin, September 22, 1891.]

According to official reports, there were 28 deaths from August 26 to 31, in Aleppo; 44 deaths from August 24 to 30, in Aintab; and in 22 communities of the district of Surudj there were 114 deaths from August 14 to August 30. No more cases were reported from Alexandretta, but there were some in the neighboring villages. The cholera for twenty-two days has not been very violent in Karagatsch. The hospital stations at Tarsus and Klazomenä were reported to be still filled with patients on September 1. Since August 30 there have arrived at Beirut the ships *Tarsus* and *Sahel*, with 1,230 pilgrims on board, and at Klazomenä the ships *Samali* and *Hassan*, with 1,400 pilgrims. Four deaths occurred on these ships on the way, but they were not from cholera. Since August 28 a disinfecting apparatus has been in operation at Klazomenä.

Hedjaz.—According to report from Djeddah of August 29, no case of cholera has occurred there since August 20. Only 68 patients were in the quarantine hospital at Tor on August 20, and none of these had cholera. Since the arrival of the pilgrims at Tor up to August 20 there were 31 deaths, 6 of which were from cholera, as reported by the inspector-general.

Dr. Kaufmann, who is intrusted in the quarantine camp at Tor with the bacteriological and pathological investigations, has thus far not been able to confirm the presence of cholera from a bacteriological standpoint, whereas he has repeatedly shown typical dysentery ulcers to be present in the intestine in cases that have been dissected.

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated Population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Antigua.....	Sept. 12....	16,664	19								
Hamilton.....	Sept. 22....	15,013	2								
Cape Haytien.....	Sept. 26....	15,000	6								
Flushing.....	Oct. 3....	13,200	6								
Guelph.....	Oct. 3....	10,539	3								
Guelph.....	Oct. 10....	10,539	7								
Chatham.....	Oct. 10....	8,730	3							12	
La Guayra.....	Sept. 26....	7,641	3								
Turks Islands.....	Sept. 2....	4,744	7								
Turks Islands.....	Sept. 9....	4,744	6								
Coaticook.....	Oct. 3....	3,800									
St. Helena.....	Sept. 4....	3,660	2								
Cardenas.....	Oct. 6....	3,500	8								
Green Turtle Cay.....	Sept. 23....	3,227	1								
Amherstburg.....	Oct. 10....	2,300									
Waubashene.....	Oct. 10....	1,000									

OFFICIAL:

WALTER WYMAN,

Supervising Surgeon-General Marine-Hospital Service.